

Peripheral device initiated partial system reconfiguration.

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Inventor: BEARDSLEY BRENT CAMERON (US); HEFFERON EUGENE PAUL (US); LYNCH KENNETH ROBERT (US); SHIPMAN LLOYD R (US)

Applicant: IBM (US)

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A data processing system includes a plurality of host systems and peripheral subsystems, particularly data storage subsystems. Each of the data storage subsystems includes a plurality of control units attaching a plurality of data storage devices such as direct access storage devices (DASD) for storing data on behalf of the various host systems. Each of the control units have a separate storage path for accessing the peripheral data storage devices using dynamic pathing. The storage paths can be clustered into power clusters. Maintenance personnel acting through maintenance panels on either the control units or the peripheral data storage devices activate the sub-system to request reconfiguration of the sub-system from all of the host systems connected to the sub-system. The host systems can honour the request or reject it based upon diverse criteria. Upon each of the host systems approving the reconfiguration, the sub-system 13 is reconfigured for maintenance purposes. Upon completion of the maintenance procedures, a second reconfiguration request is sent to the host systems for causing quiesce devices to resume normal operations.

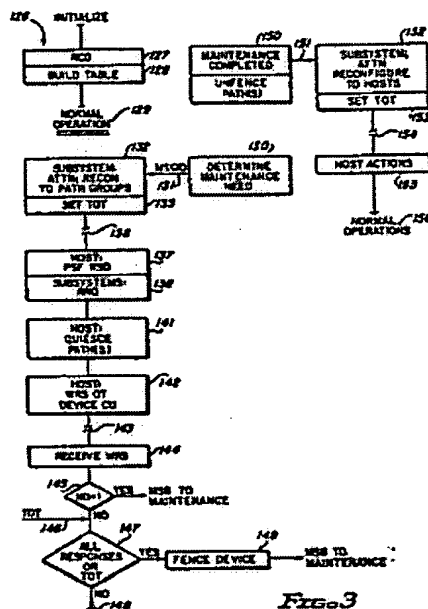


FIG. 3

Data supplied from the esp@cenet database - Worldwide